4th & part

Job code: 005-20-000074
Estns - 1100.00 lakhs

M. A. R. 57 (Rule 116) No. E 535640

Measurement Book

Serial No. ....package 2 consists of 3 works of Rs 1100.00 lakhs.

Name of work ① Improvements to roads and drains at Kogilu and Surrounding area in ward No 05 Bytarayanpura

Name of Contractor of nature of Agency

Date of commencement of work Sub division ② Improvements to roads and drains at Agrahara and Surrounding area in ward NO5 Bytarayanapura Sub division ③ Improvements to roads and drains at Hegdenagar and Surrounding area in ward No 06 Bytarayanpura Sub division.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No: BBMP/EE/BTP/WO/04/2021-22 Dt: 02/06/21						
	Name of contractor: M/s Beralca Developers and projects pvt Ltd.						
	① Earthwork excavation by manual means for road drains & similar work in ordinary soil excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of roots etc complete						
	② Rs 234/m^2 present bill rate						
	Cut quantity - 6980.37 m^3						
	Particulars - = 1633405=00						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Removing & refixing stone slabs of flooring & pointing in C.M (1:3)					up to date qty - 3292.09 m²	
	Present Bill - Nil -		@ late 112/m²			Previous = 369274=50	
(3)	Removing and resetting of tarpath slab					up to date qty - 755.30 m²	
	Present Bill - Nil -		@ Rate 210/m²			Previous = 158193=00	
(4)	providing granite slabs of selected quality roughly dressed & fixed in c.m (1:6) including fixing curing etc complete.						
	Present Bill - Nil -		@ Rate 819/m²			Previous qty - 2266.25 m² = 1856059=75	
(5)	plain cement concreat M10 mix with crushed stone aggregates 40 mm nominal size mechanically mixed placed in foundations & compacted by vibration including						

M. A. R. 57 (Rule 116) No. E 535641
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Curing - cost of materials labour from etc complete					qty 6.37 m³	
	Present Bill Nil -		@ Late 451/m²			Previous = 2876=00	
(6)	providing & constructing granite/trap/ballast foundation with cement mortar & stone dressed in courses not less than 2.0 cm Light bond stones at 2m apart in each course including cost & materials labour from curing etc complete.					55 m in Hammered qty 9.72 m²	
	Present Bill Nil -		@ Late 491/m²			Previous = 4772=50	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	providing & laying in position p.c.c 57 mix 1:2:4 with 20 m.m & down size graded granite metal coarse & fine aggregates 15 cm thick well compacted for coping including cost of all materials labour for mixing etc complete.						
	Present Bill - Nil -	@ Rate 5645/m³			Qty - 2.16 m³		
		Previous				= 12193=00	
(8)	providing & laying in position plain/reinforced cement concreate M20 for Sub structure works. with 20 m.m & down size graded granite metal coarse & fine aggregates machine mixed with super plasticizer laid in layers, well compacted & providing weep holes wherever necessary etc complete						
					Qty - 18.562 m³		
	Present Bill Nil	@ Rate 5320/m³					
		Previous				= 98739=00	

M. A. R. 57 (Rule 116) No. E 535642
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	providing T.M.T Steel reinforcement for RCC work including Straightening Cutting bending hooking placing in position lapping & welding wherever required tying with binding wire & anchoring to the adjoining members wherever necessary etc complete.						
	Present Bill Nil	@ Rate 72897/T			Qty - 1.38 T		
		Previous				= 100598=00	
(10)	providing & laying 100 m.m thick pre-cast cover slab over drain of width not exceeding 600 m.m using M20 Concreate reinforced with Steel. slab jointed in C.M 1:3 proportion & nicely finished including providing holes in the cover slab wherever						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	necessary for easy drainage of surface water including of labour, materials tools of machinery towing etc complete					Previous Bill Nil- Present Nil-	
(11)	providing & Fixing pre cast covering slabs 250m.m.thick made out of C.C 1:2:4 & fully 20m.m. down size with steel reinforcement including form work curing including cost of meterials, labour hiar charges & machinery loading & Unloading with a lead etc complete.					Qty - 31.20 m² @ Rate 5201/m² Previous = 162271=50	
(12)	Excavation for roadwork in all types of soil by mechanical means including cutting & loading to tippers trimming bottom & side slope in accordance with requirments of lines grades & cross section and						

M. A. R. 57 (Rule 116) No. E
Measurement Book
535643

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	transportation with a lead of 1.00km & complete						
	Previous: 18976.72 Present: 284.00 Add 19261.12						
	@ Rate 60/m²					Qty - 19261.12 m² = 1155667=50	
(13)	Providing laying spreading and compacting Crushed Stone aggregates of granite to wet mix macadam including premixing the materials with water at OMC in mechanical mix plant Carriage & mixed materials by tipper to site, laying in uniform layers with paver in Sub-base/base course on well prepared surface etc complete					Qty - 15619.87 m³ =2700675=00 2700675/-	
	Previous Bill: 15382.87 Present Bill: 237.00 15619.87						
	@ Rate 1729/m³						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	providing & applying primer coat with ES bitumen emulsion on prepared surface of granular Base such as WBM WMM including cleaning of road surface & spraying primer at the rate of 0.6 kg/sqm using mechanical means etc complete					Qty - 55901.21 m²	
	Previous Qty: 17267.56	@ Rate 2 /m²				= 162113.5 = 00	
	Present Qty: 38633.65						
	total 55901.21						
(15)	cleaning the existing black topped surface with brooms soft brushes & finally dusting with old gunny bags & or compressed air to receive bituminous treatment including cost of all materials, labour, tools & machineries etc complete.					Qty - 27025.92 m²	
	Previous Qty: 3942.50	@ Late 6.00/m²				= 162155.00	
	Present Qty: 23083.42						
	total 27025.92						

M. A. R. 57 (Rule 116) No. E 535644
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	providing & applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surface at 2.5 kg/10m² heating bitumen in boiler fitted with spray set including cost of all materials etc complete					Qty - 96669.69 m²	
	Previous Qty: 25898.62	@ Rate 12 /m²				= 1160036 = 00	
	Present Qty: 70771.07						
	total 96669.69						
(17)	providing & laying dense graded bituminous macadam using crushed aggregates grading premix with VG30 grade bituminous binder & transporting the hot mix to work spot laying to the required grade, level & alignment rolling with smooth wheeled vibratory & tandem rollers to achieve						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	The decired compaction in all respects etc complete						
	Previous Qtty 2219.62 Present Qtty 601.61 total 823.24 = @ Late 7284/m³						Qtty - 823.24 m³
(18)	providing & laying bituminous concreate 40 m.m thick					5996553.00	= 5996480=00
	will hot mix plant using crushed aggregates of specified						
	grading premixed with bituminous binder & filler						
	transporting the hot mix to work site laying with a						
	paver finisher to the required grade, level and						
	alignment rolling with smooth wheeled vibratory						
	& tandem rollers to achieve the decired compaction						
	in all respects etc complete						Qtty - 3272.36 m²
	Previous Qtty 858.63						=2818732 4=00
	Present Qtty 2413.73 @ Rate 613.76/m²						
	total 3272.36						

M. A. R. 57 (Rule 116) No. E 535645
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19)	Road Marking with Hot Applied Thermoplastic Compound						
	with Retroreflecting Glass Beads on Bituminous Surface/						
	concrete surface providing and laying of hot applied thermo						
	plastic compound 2.5 m.m thick including retroreflecting glass						
	beads at 250 gms/m² over a thickness of 2.5 m.m is exclusive						
	of surface applied glass beads. The finishes surface to be						
	level uniform & free from streaks & holes etc complete.						
	Previous Qtty 930.63 @ Rate 458/m²						Qtty - 3630.20 m²
	Present Qtty 2699.68 total 3630.31						= 662677=00
(20)	Construction of Dry Lean Cement Concreate						1662632.00 mix CC 1:5:10
	will 25 m.m & down size graded granite metal course &						
	fine aggregates over a prepared sub-base with aggregate						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cement ratio not exceeding 1:1 Aggregate gradation after blending to be Cement Concrete not to be less than 160 kg/m³ OMC to be determined during trial length Construction Concrete strength not to be less than 10 mpa at 7 days mixed in a batching plant transported to site laid with paver complying with 8-10 ton vibratory roller finishing & Curing etc complete. Previous Qty: 235.36 Present Qty: 136.48 Total: 369.82	@ Rate 3730/m³					Qty - 369.82 m³ 1379440.00 = 1379429 = 00
(21)	Constructing 1m - reinforced P.C.C for pavement using grade Concrete M30 with coarse & fine aggregates mixed in a concrete mixer of not less than 0.6 m³ capacity & appropriate weight batcher as per approved mix design laid in approved lines lift wedges & Spreading the Concrete with Shovels rakers						

M. A. R. 57 (Rule 116) No. E 535646
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compactors using needle. Screed & plate Vibrator & finishers with floaters in a continuous operation including provision of construction expansion construction & longitudinal Joint including grooves cutting Charges Joints fillers Separation Membrane of impermeable plastic sheet of 125 micron curing Compound. finishing to lines & grades textures with texturing machine & Curing including water & all materials etc complete Previous Qty - Nil -	@ Rate 5202/m³ Present					Qty - 369.82 m³ = 1923804 = 00
							74722670 = 00
							747 22764.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				B/F		=	74722670=00
				Add 12% GST		=	8966720=00
				Grand Total		Rs	83689390=00
				Deduct previously paid		Rs	(-) 48554903=00
				Now to pay is		=	35134487=00

(1) It is certified that the above work done satisfactorially.

(2) The above Bill amount has not been paid any of previous Bills.

For Benaka Developers And Projects Pvt. Ltd.

NARAHARI. D
Managing Director

25/8/22

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಪ್ರಾಜೆಕ್ಟ್ ಇಂಜಿನಿಯರ್ ಗಳ ಸಹಿ

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M. A. R. 57 (Rule 116) **No. E** 535647

Measurement Book

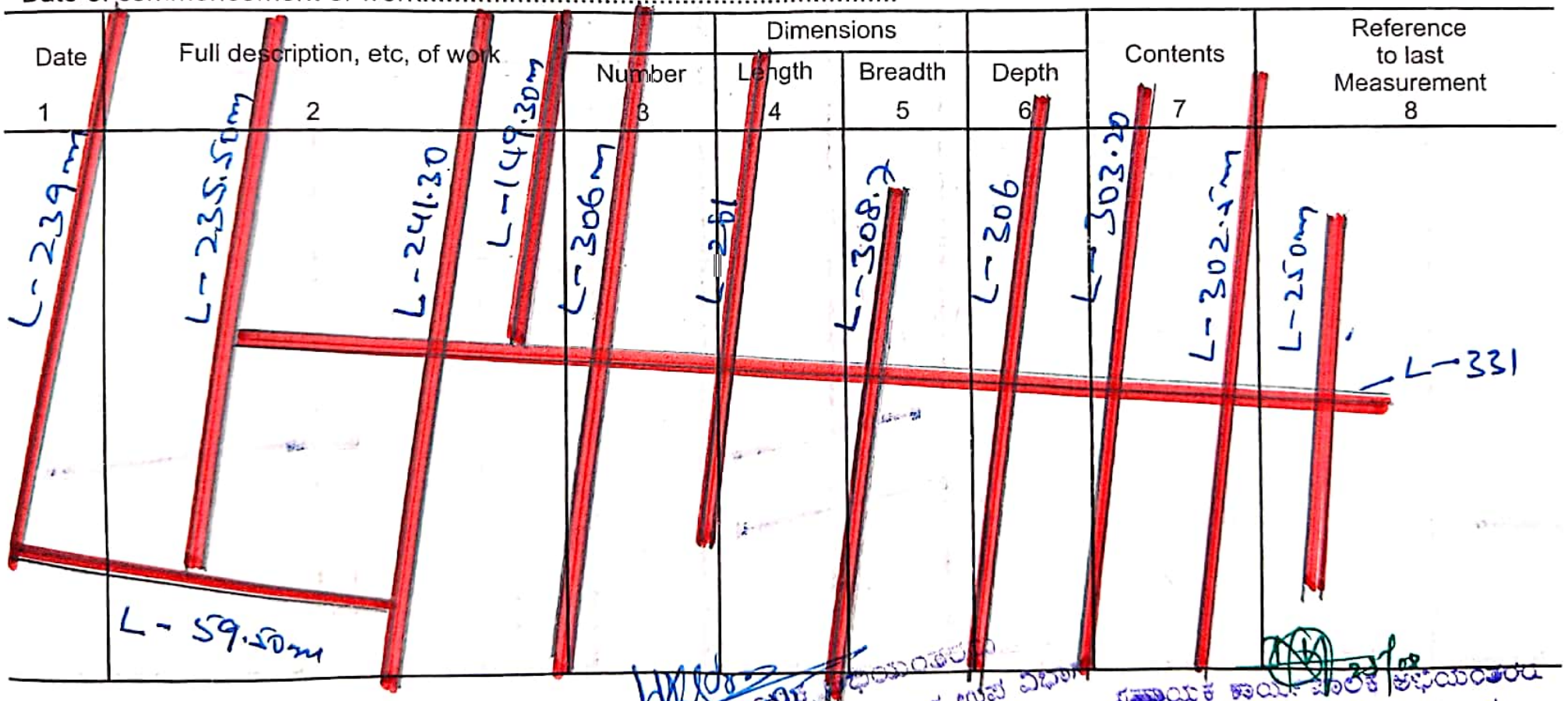
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8



Asphalt Road.

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಜಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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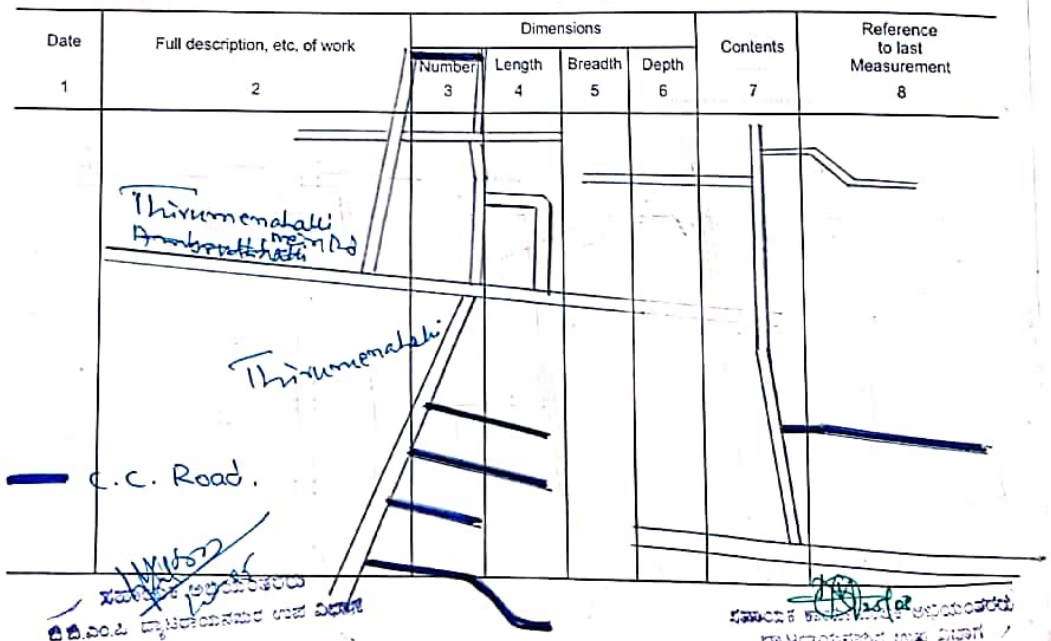
MEASUREMENT BOOK

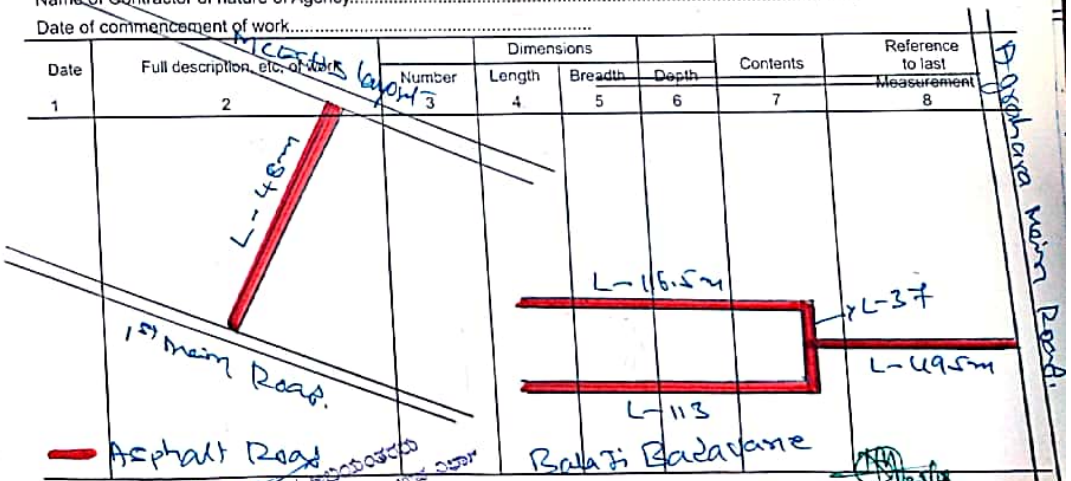
Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



M. A. R. 57 (Rule 116) No. E 535643
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Balaji Badayane

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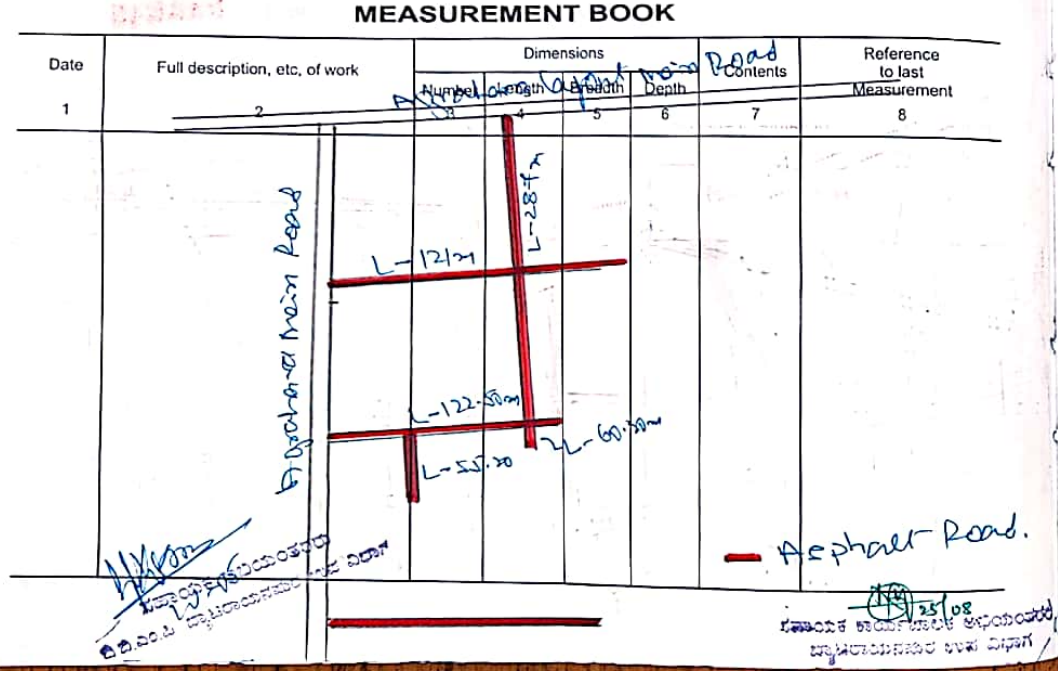
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಡರಾಯನಪುರ ಉಪ ವಿಭಾಗ

25/08

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಡರಾಯನಪುರ ಉಪ ವಿಭಾಗ

M. A. R. 57 (Rule 116) No. E 535649

Measurement Book

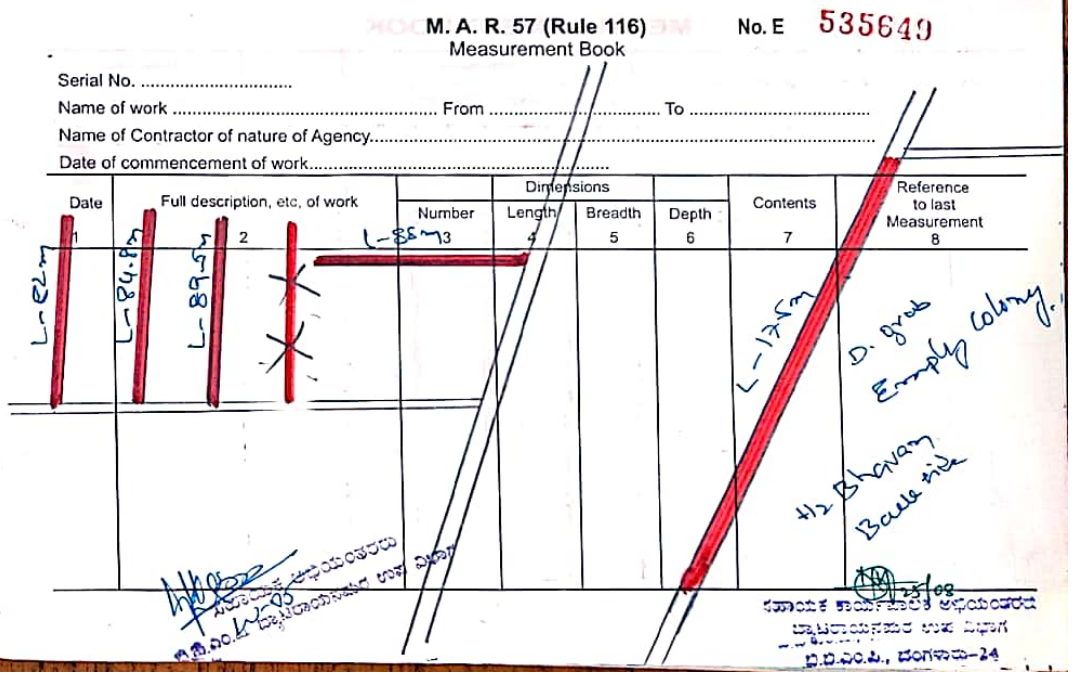
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಡರಾಯನಪುರ ಉಪ ವಿಭಾಗ

25/08

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಡರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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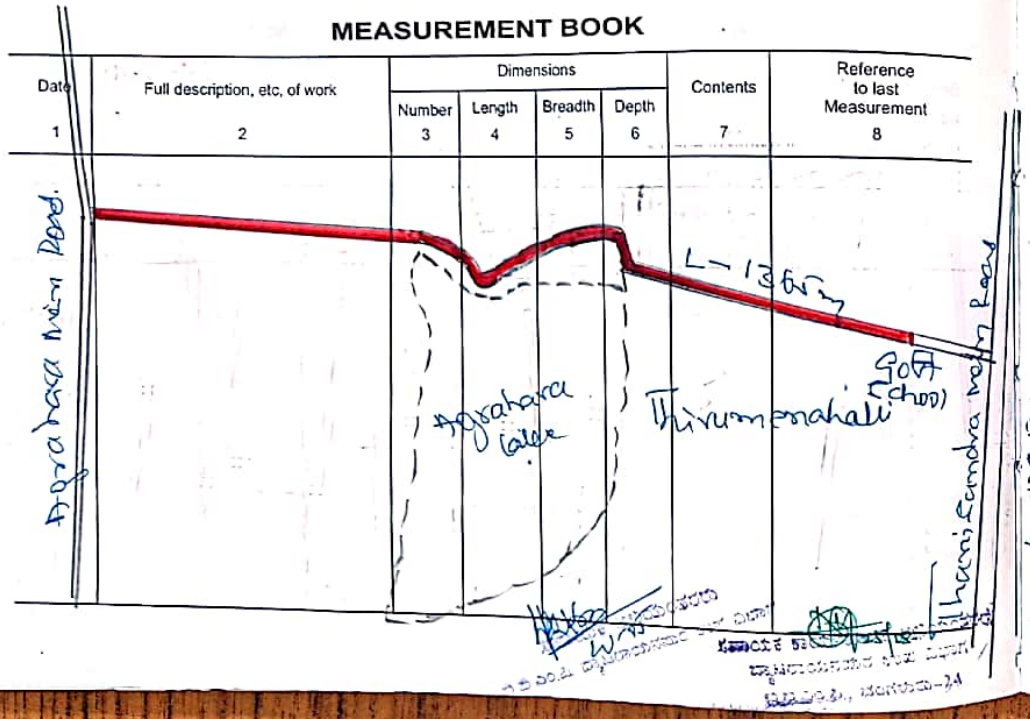
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



M. A. R. 57 (Rule 116)
Measurement Book

No. E 535650

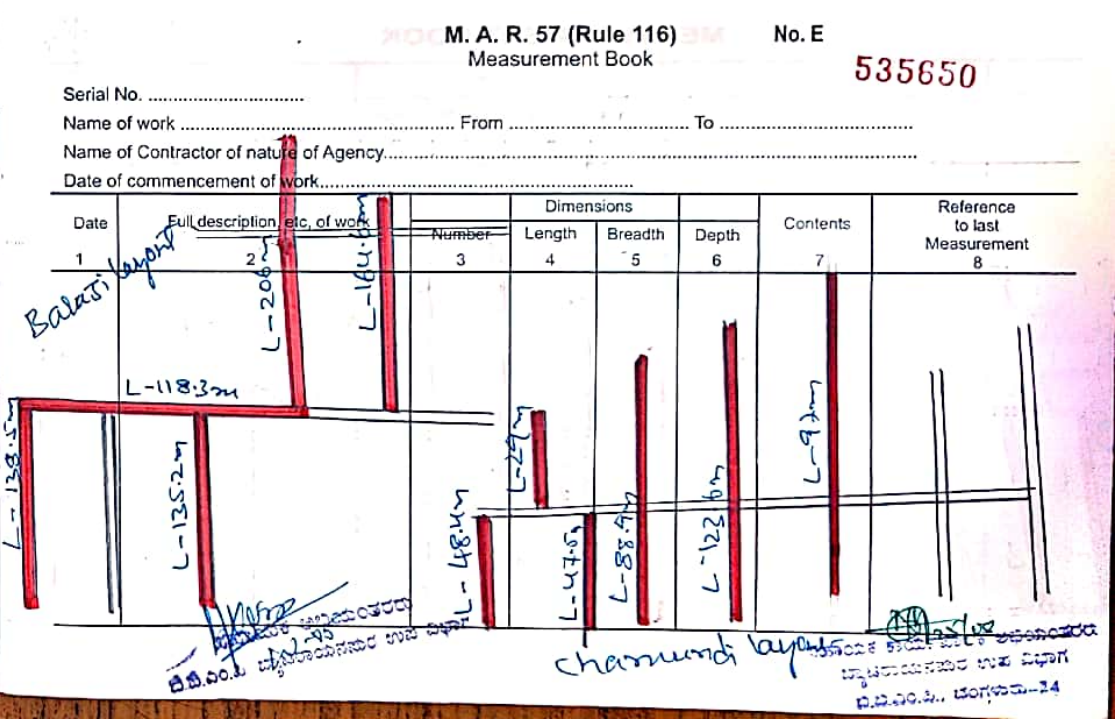
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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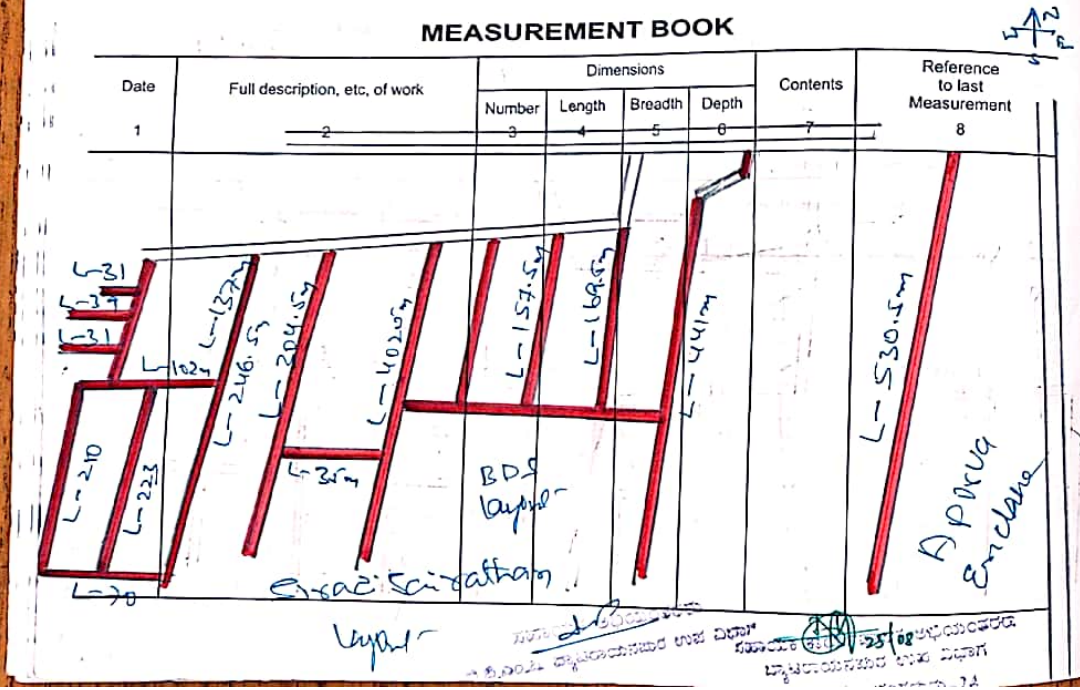
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

25/08

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

M. A. R. 57 (Rule 116) No. E 535651

Measurement Book

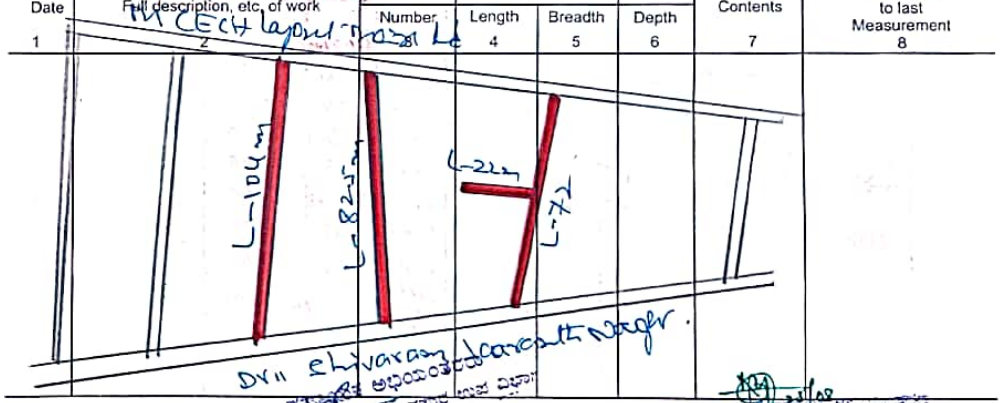
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

25/08

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	P3158 2	3	4	5	6	7	8
	ಕಾಮಗಾರಿಯ SIP. Infrastructure proveet worksಹೆಸರು			Total	35130000	.00	
	ಅಂದಾಜು ಮೊತ್ತ ರೂ 35130000/- ಗಳಲ್ಲಿ ಮಾಡಿ ಮುಗಿಸಲು			Previous	1855000	.00	
	ಇರುವ ರೂ. 1927000/- ಗಳಲ್ಲಿ ಮುಗಿಸಲಾಗಿದೆ			Present	35130000	.00	
	ಮಂಜೂರಾಗಿ ರೂ 3,32,03,000/- ಗಳಿದ್ದು			IT	702600	.00	
	—			Cess	313661	.00	
	FT/[illegible] Kadaramadi			SCST	313601	.00	
				Cen.	351300	.00	
				CBT	35130	.00	
	ಕಾಮಗಾರಿಯ ಪ್ರಾರಂಭದ ದಿನಾಂಕ			CR	208968	.00	
	26/8/22.			Fine	1680	.00	
				Ded.	1927000	.00	
				Net payable	3320300	.00	

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